

**FELDER®**

**K 500**

THE SMALL SLIDING TABLE  
PANEL SAW FROM FELDER



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# K 500

the small sliding table panel saw from Felder



Solid wood



Panel material



Do not let the inconspicuous exterior of the Felder K500 fool you. The sliding table saw is a true power pack, despite its size. With the innovative tilting saw blade unit and precision double guiding for accurate angle and height adjustment, the K500 guarantees a new dimension of efficiency. The powerful circular saw unit is located at the heart of the Felder K500 along with a circular saw shaft that allows a saw blade of up to Ø 315 mm. A ten year guarantee on the "X-Roll" sliding table, highest manufacturing quality and strict Felder production standards make this sliding table panel saw reliable partner for many years to come.

## Variations

Models & Your Advantages



### K 500

- » Cutting length: 1300–2500 mm
- » X-Roll sliding table, 10 year guarantee
- » Rip capacity: 800–1250 mm
- » Cutting height: 102 mm



### K 500 professional

- » Cutting length: 2050–2500 mm
- » X-Roll sliding table, 10 year guarantee
- » Rip capacity: 800–1250 mm
- » Cutting height: 102 mm

## ... Your decision for Felder, a risk-free decision

- » The right machine for every budget
- » Complete reliability in professional use
- » Tailor made machine solutions
- » High quality cast iron machine table and aggregates
- » Innovative detail solutions derived from 65 years of experience - already included in the standard configuration
- » First class manufacturing and finishing standards
- » Intuitive application concepts
- » Modern, distinct design
- » Quality and precision from AUSTRIA
- » Powerful and efficient
- » Complete package: Comprehensive service support

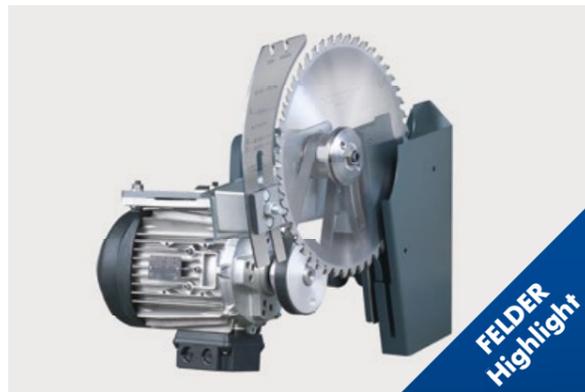
# The most important highlights at a glance



FELDER  
Highlight

## Precision guiding system X-Roll

Since 1990, this linear guiding system, which has undergone continuous development, has proven its worth exclusively in machines from Felder. The high quality format sliding table guiding technology "X-Roll" comes with a 10 year Felder guarantee and offers amazing operating smoothness and is completely maintenance free. The 'x' design of the position of the roller bearings ensures that they move smoothly along hardened guides.



FELDER  
Highlight

## Spindle moulder unit "500"

Stable and compact circular saw unit for long-lasting satisfaction

- » Cutting height 102 mm, saw blade diameter 315 mm
- » Double-sided support
- » Smooth tilting action 0°–45°
- » Support close to the saw blade on both sides



FELDER  
Highlight

## Grooving work

Thanks to the removable circular saw flange and table insert, adjustable dado tools up to 19.5 mm can be used.

# Details

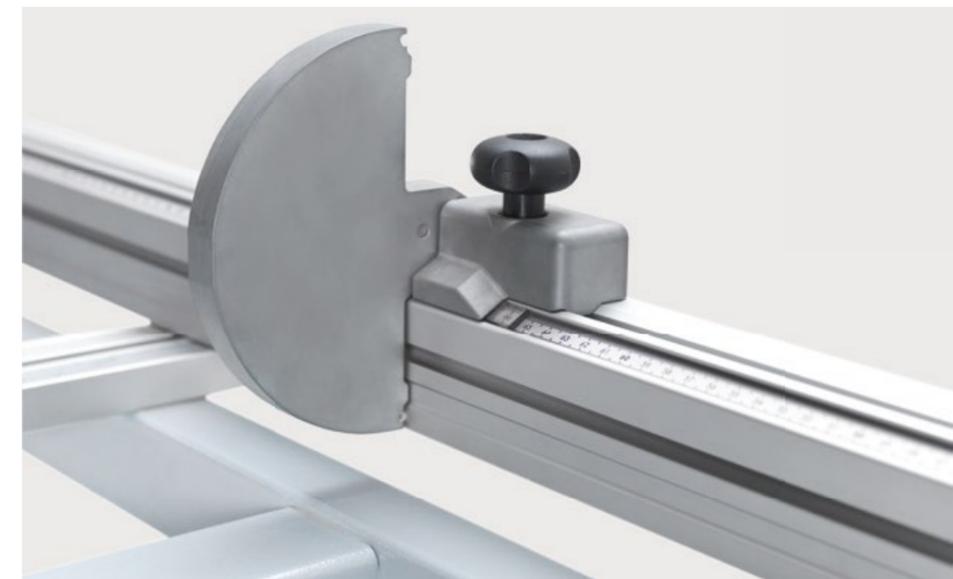


## Scoring unit

Scoring saw blades are made up of two pieces and using a set of shims can be adjusted to the relevant thickness of the main saw blade. They feature square carbide teeth and positive hook. The direction of rotation of the scoring unit saw blade is the opposing direction to that of the main saw blade

## Stop scale

The beveled miter scale with hairline readout is visible from the operating area and thus allows exact reading of the required crosscut value.



## The rip fence

The rip fence is easily and smooth to adjust, with a single hand clamping mechanism. The optional fine adjustment makes precise measurements possible. A rip capacity of 800 mm is standard with the option of 1250 mm. The rip scale is easy to read and perfectly integrated into the machine table. The aluminium rip fence can be pushed further back to improve user comfort and safety when making repeat offcuts. Optional rip fence fine adjustment.

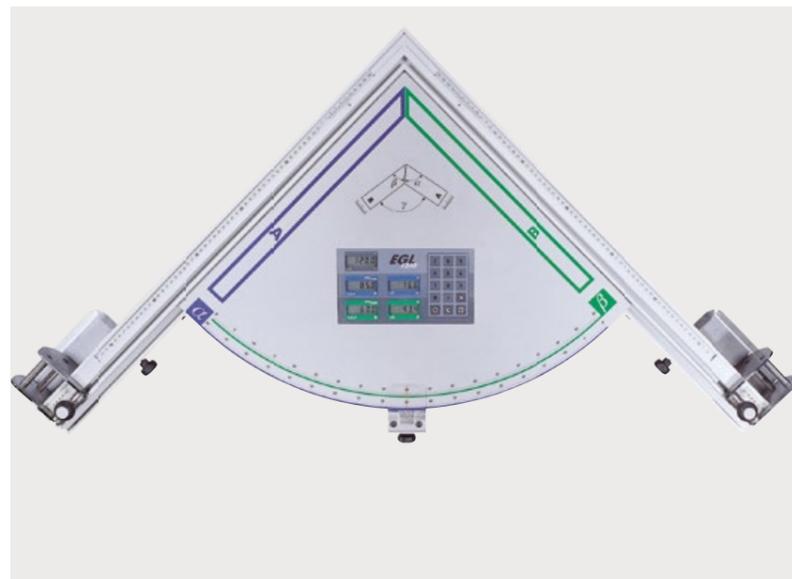


#### Pneumatic workpiece holder

- » Easy clamping of workpieces with maximum flexibility. Can be used on all panel saws and spindle moulders that are equipped with a sliding table.
- » Easy set up due to magnetic fittings
- » Safety cylinder ensures maximum working security
- » Pressure bar function is possible with every sliding table length
- » Clamping height 95 mm
- » Clamping force approx. 300 kg

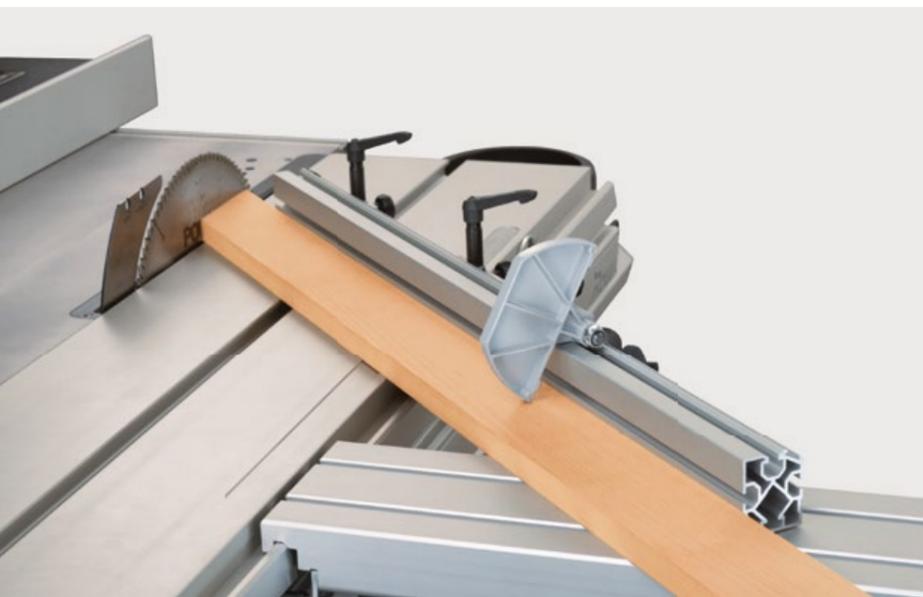
#### EGL 1350

UNIQUE The patented Felder double cut miter gauge enables you to produce miter cuts of any angle for various workpiece widths! This is how easy it works: Type in the desired total angle  $\alpha$  and the workpiece widths A and B on the keyboard of the integrated computer – Read off the setting values  $a + b$  and set the double mitre gauge! The crosscut fence stops on the fence guides can be adjusted up to 1350 mm using the scale. The vernier scales compensate for the length, allowing you to set and cut the exact required length.



#### Crosscut fence

The 1300 mm crosscut fence for mitre cuts between  $+45^\circ$  and  $-45^\circ$  can be mounted directly onto the aluminium sliding table without the use of any tools. An end stop allows for quick and precise  $90^\circ$  degree cuts. The beveled mitre scale with hairline readout is visible from the operating area and thus allows exact reading of the required crosscut value. "X-Roll" table extension with P-coupling



#### Table extension

If required: Adapt the working surface to the workpiece. Since 1969, the Felder table extension system has proven itself countless times. In just a few seconds and without tools you can increase the support length of your machine by up to 2000 mm.



#### Outrigger table

The outrigger table makes it much easier to process large and heavy workpieces when using the sliding table. There are four ball bearing guide rollers in the outrigger telescopic arm for maximum precision and smoothness. The telescopic crosscut fence with coupling system and ergonomically designed scale or read-off optics on the stops guarantee precise adjusting and makes it possible to perform cross cuts up to 2600 mm. The crosscut fence can tilt from  $90^\circ$ – $45^\circ$  and comes standard with one fence stop. A fixed reference position is provided at  $90^\circ$ .



#### Precision mitre index system

Accurate angle adjustments, efficient operation and calibration are all made possible by the precision mitre guide index system.



#### Outrigger table with floor support roller

- » For rip and formatting cuts of large panel material
- » Height adjustable floor rails, total length 4.5m – consists of 3 segments

## Technical specifications

Electrics	K 500	K 500 professional
001 3x 400 V motor voltage	S	S
002 3x 230 V motor voltage	○	○
003 1x 230 V, 4.0 HP (3.0 kW)*	○	○
004 50 Hz motor frequency	S	S
005 60 Hz motor frequency	○	○
006 4.0 HP (3.0 kW)	S	S
007 5.5 PS (4.0 kW)	○	○
28 Additional emergency stop	○	○

Saw and scoring unit		
70 Saw blade tiltable 90°–45° (max. cutting height 102 mm):	S	S
74 Scoring unit mechanically driven, Ø 80 mm with main saw blade Ø 250 mm	○	○
75 Electrically powered scoring blade Ø80 mm with main saw blade Ø 250 mm	○	○
76 Cutting width 800 mm with full table length, min. transport width 800 mm	○	○
77 Cutting width 1250 mm, min. transport width 800 mm	○	○
78 Cutting width 800 mm, min. transport width 800 mm	S	S
80 EURO II standard saw guard	S	S
81 Overhead saw guard for 800/1250 mm cutting width, can be swung away from the working area;	○	○
82 Dado capability for tooling up to ¾" (19.5 mm) width	○	○
84 Fine adjustment of the rip fence	○	○
91 Extraction pipe guide for cutting width 800/1250 mm	○	○

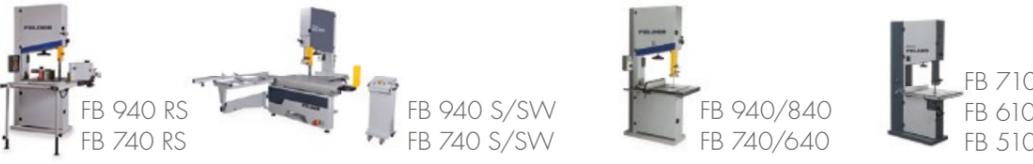
Sliding table		
131 Format sliding table M, cutting length 1300 mm**	S	-
132 Format sliding table M, cutting length 2050 mm**	○	S
133 Format sliding table, cutting length 2500 mm, anodised**, edging shoe	○	○
136 Anodised sliding table	○	S
141 Format sliding table M, cutting length 1550 mm**	○	-

Outrigger table and longitudinal stops	K 500	K 500 professional
160 1100 outrigger table, series 500	○	S
161 1300 outrigger table, series 500	○	○
164 1300 mm crosscut fence for all sliding table lengths	S	○
165 Telescopic extension for crosscut fence from 1100 mm to 2000 mm (#164)	○	○
166 Outrigger table crosscut fence 2600 mm, series 500 (#160/161)	○	S
168 Outrigger crosscut fence 2600 mm, 500 Series instead of 1300 mm crosscut fence (#160/161)	○	-
170 Precision mitre guide INDEX system for outrigger crosscut fence	○	○

General		
- Extraction connection-Ø in mm saw unit/saw guard (overhead)	120/50	120/50
- Working height in mm	890	890
- Weight kg (with standard configuration)	380	420
- Min. transport width in mm	800	800

Transport		
221 Container transport preparation	○	○

**Product range**

<p>Sliding Table Panel Saws</p>	 <p>K 945 S    K 740 S    K 740 professional    K 740 S x-motion</p>	 <p>K 700 S    K 700 professional    K 700    K 540 S    K 500 S    K 500 professional    K 500</p>			
<p>Shapers</p>	 <p>F 900 M    F 900 Z    F 700 M    F 700 Z    F 500 MS    F 500 M</p>	<p>Saw-Shapers</p>	 <p>KF 700 S professional    KF 700 professional    KF 700    KF 500 professional    KF 500</p>		
<p>Planers</p>	 <p>AD 951    AD 941    AD 741    AD 531    A 951 L    A 941    D 951    D 963</p>	<p>Combination machines</p>	 <p>CF 741 S professional    CF 741 professional    CF 741    CF 531 professional    CF 531</p>		
<p>Bandsaws</p>	 <p>FB 940 RS    FB 740 RS    FB 940 S/SW    FB 740 S/SW    FB 940/840    FB 740/640    FB 710    FB 610    FB 510</p>	<p>Dowel Boring Machine, Drilling Machine and Horizontal Mortiser</p>	 <p>FD 29 professional    FD 21 professional    FD 250</p>	<p>Heated Veneer Presses</p>  <p>MVP 31.14 flex</p>	
<p>Wide Belt Sanding Machines</p>	 <p>FW 1352 perform FW 1352 classic FW 1102 perform FW 1102 classic FW 950 classic FW 850 classic</p>	<p>Brushing Machine</p>	 <p>structura 60.02    structura 40.02</p>	<p>Belt and Edge Sanders</p>	 <p>FS 722    FS 900 KF    FS 900 K    FS 700 K</p>
<p>Edgebanders</p>	 <p>G 580/G 560 classic    G 383    G 363/R    G 330    G 263</p>	 <p>G 220    ForKa 300 S eco</p>	<p>Vertical panel saw</p>	 <p>KV 925</p>	
<p>Extraction Units &amp; Briquetting Presses</p>	 <p>RL 350/perform    RL 300    RL 250    RL 200    RL 160    RL 140    RL 125</p>	 <p>AF 35    AF 30    AF 25    AF 22-D200    AF 22 Stationary/Mobile/Stand    AF 16    AF 14    AF 12    FBP 50/60/70</p>			

# FELDER®

## Felder Quality and precision in a nutshell

Since 1956, a guarantee for perfect results with excellent ease of use and reliability in regular professional use. Woodworkers are always enthusiastic about the individual and solid solutions for small and mid-sized businesses.

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